

ABSTRACT OF THE DISCLOSURE

Expanded perlite products having controlled particle size distribution, methods of producing the expanded perlite products, and methods of use thereof are provided. The expanded perlite product has, for example, a low ratio of standard deviation of particle size distribution to median particle size (for example, less than 0.63) and low median particle size (for example, less than 50 microns). The expanded perlite product may be used in a variety of applications including filter applications.

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